

LOW WEAR AND LOW FRICTION COATINGS FOR ARTICLES MADE OF LOW SOFTENING POINT MATERIALS

Abstract of Disclosure

The present invention relates to an anti-friction and anti-wear liquid coating composition for use with parts made of materials that have softening points below about 300 ° F and articles so coated. The present invention also relates to a method of coating parts made from a low softening point materials with an anti-friction and anti-wear hard coating composition. The coating composition comprises a mixture of (i) solid lubricants comprising boron nitride, graphite and molybdenum disulfide, (ii) a thermoset resin system, (iii) catalyst for curing the resin system and (iv) a solvent system comprising highly volatile solvents. The coating composition is applied to the part and cured to form a coating on the part.